What Claimed is:

- 1. A fullerene derivative fine wire composed of acicular crystal of fullerene derivative.
- 2. A fullerene derivative fine wire composed of acicular crystal of fullerene derivative and fullerene.
- 3. The fullerene derivative fine wire of claim 1 or 2, wherein the fullerene derivative is selected from the group consisting of diethyl ester malonate derivative of C_{60} , N-methyl pyrrolidine derivative of C_{60} , ferrocene derivative of C_{60} , and platinum derivative of C_{60} .
- 4. The fullerene derivative fine wire of any of claims 1 to 3, wherein the acicular crystal is monocrystalline.
- 5. A manufacturing method of fullerene derivative fine wire composed of acicular crystal of fullerene derivative, being a manufacturing method of fullerene derivative fine wire comprising at least the steps of preparing a solution by dissolving fullerene derivative in a first solvent, adding a second solvent of lower fullerene derivative dissolving ability than the first solvent to this solution, forming a liquid-liquid interface between the solution and the second solvent, and depositing the fullerene derivative fine wire on the liquid-liquid interface.
- 6. A manufacturing method of fullerene derivative fine wire composed of acicular crystal of fullerene derivative and fullerene, being a manufacturing method of fullerene derivative fine wire comprising at least the steps of preparing a solution by dissolving fullerene derivative and fullerene in a first solvent, adding a second solvent of lower fullerene derivative dissolving ability than the first solvent to this solution, forming a liquid-liquid interface between the solution and the second solvent, and depositing the fullerene derivative fine wire on the liquid-liquid interface.
 - 7. The manufacturing method of fullerene derivative fine wire of claim 5 or 6,

wherein the fullerene derivative is selected from the group consisting of diethyl ester malonate derivative of C_{60} , N-methyl pyrrolidine derivative of C_{60} , ferrocene derivative of C_{60} , and platinum derivative of C_{60} .

- 8. The manufacturing method of fullerene derivative fine wire of any of claims 5 to 7, wherein the first solvent is at least one kind selected from the group consisting of benzene, toluene, xylene, hexane, and pentane.
- 9. The manufacturing method of fullerene derivative fine wire of any of claims 5 to 8, wherein the second solvent is selected from the group consisting of methyl alcohol, ethyl alcohol, n-propyl alcohol, isopropyl alcohol, butyl alcohol, and pentanol.